

GEORGIA INSTITUTE OF TECHNOLOGY
ENGINEERING EXPERIMENT STATION

PROJECT INITIATION

Date: October 17, 1975

Project Title: Foreign Weapon System Analysis

Project No.: A-1770

Project Director: Mr. R. M. Goodman, Jr.

Sponsor: USAF Aeronautical Systems Div. (AFSC); ASD/RMCF; Wright-Patterson AFB, Ohio 45433

Agreement Period: From August 20, 1975 Until August 20, 1976

Type Agreement: Contract No. F33618-76-C-0099 Contract # F33657-76-C-0099

Amount: \$24,857

Reports Required: Bi-Monthly Progress Reports; Technical Analysis Reports

Sponsor Contact Person:

Technical Matters

Foreign Technology Division

Attn: FID/ETTE

Wright-Patterson AFB, Ohio 45433

Contractual Matters

(Thru GTRI)

Mr. R. J. Whitcomb (ACD)

ONR Resident Representative
Campus

Defense Priority Rating: DO-C9 under DMS Reg. 1

Assigned to: Systems & Techniques Laboratory

COPIES TO:

Project Director

Director, EES

Assistant Director

Division Chief

EES Accounting

Patent Coordinator

RA-3 (8-75)

EES Supply Services

Security-Reports-Property Office

General Office Services

Library, Technical Reports Section

Office of Computing Services

Project File

Other: Sue Corbin; Bonnie Wettlaufer

GEORGIA INSTITUTE OF TECHNOLOGY
OFFICE OF CONTRACT ADMINISTRATION
SPONSORED PROJECT TERMINATION

Date: October 26, 1976

Project Title: Foreign Weapon System Analysis

Project No: A-1770

Project Director: Mr. R. M. Goodman, Jr.

Sponsor: USAF Aeronautical Systems Div. (AFSC); ASD/RWKF; Wright-Patterson AFB, Ohio

Effective Termination Date: August 20, 1976

Clearance of Accounting Charges: August 31, 1976

Grant/Contract Closeout Actions Remaining:

- ☒ Final Invoice and Closing Documents
- ☐ Final Fiscal Report
- ☐ Final Report of Inventions
- ☒ Govt. Property Inventory & Related Certificate
- ☐ Classified Material Certificate
- ☐ Other _____

Assigned to: Systems & Techniques Laboratory (School/Laboratory)

COPIES TO:

Project Director
Division Chief (EES)
School/Laboratory Director
Dean/Director-EES
Accounting Office
Procurement Office
Security Coordinator (OCA)
Reports Coordinator (OCA)

Library, Technical Reports Section
Office of Computing Services
Director, Physical Plant
EES Information Office
Project File (OCA)
Project Code (GTRI)
Other _____



ENGINEERING EXPERIMENT STATION

GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

22 October 1975

Foreign Technology Division
Attn: FTD/ETTE (Mr. Mike W. Gural)
Wright-Patterson AFB, OH 45433

Subject: Contract F33615-76-C-0099

Reference: Bimonthly Status Letter No. 1, covering the period
20 August to 19 October 1975

Gentlemen:

This letter summarizes efforts under the subject contract for the period 20 August to 19 October 1975. The contract has been received with an effective date of 20 August 1975, and a total authorized amount of \$24,857.00. A technical assignment under the contract has not yet been received from the technical monitor, and therefore no effort has been made and no funds expended. Georgia Tech technical personnel are in touch with Mr. Gural by telephone, and it is hoped that a visit to FTD can be arranged shortly in order to discuss appropriate assignments under this program.

Very truly yours.

R. M. Goodman, Jr.
Project Director A-1770

RMG/mac

ENGINEERING EXPERIMENT STATION

GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

22 January 1976

Foreign Technology Division
Attention: FTD/ETTE (Mr. Mike W. Gural)
Wright-Patterson AFB, OH 45433

Subject: Contract F33657-76-C-0099

Reference: Bimonthly Status Letter No. 2, covering the period
20 October to 19 December 1975

Gentlemen:

This letter summarizes efforts under the subject contract for the period 20 October to 19 December 1975. In a telephone conversation on 2 December, Mr. Mike Gural discussed with Mr. Goodman of Georgia Tech an informal task assignment to be performed under the contract. The task involves study of a specific radar system, with emphasis on the receivers and other electronics. Material for study is to be supplied by Mr. Gural, and a duration for the study of approximately four months has been suggested. The first material was received on 10 December, but only limited analysis has been possible in this reporting period. Full effort will be applied to the task during the next period. Budget figures for November, the latest available, show a total expenditure to date of \$193.32, leaving a free balance of \$24,663.68.

Very truly yours,

R. M. Goodman, Jr.
Project Director A-17470

RMG/mac

ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

17 February 1976

Foreign Technology Division
Attention: FTD/ETTE (Mr. Mike W. Gural)
Wright-Patterson AFB, OH 45433

Subject: Contract F33657-76-C-0099

Reference: Bimonthly Status Letter No. 3, covering the period
20 December 1975 to 19 February 1976

Gentlemen:

This letter summarizes the efforts under the subject contract for the period 20 December 1975 to 19 February 1976. As reported in the last progress letter, a specific task assignment was received early in December from Mr. Gural. Only limited efforts were possible during December due to the holidays in the latter part of the month. Work has continued since on the task assignment. The photographic material which was supplied to Georgia Tech in December has been carefully studied from several different engineering standpoints. Dimensional material was only received at the end of the period, and will be used in the studies of the next reporting period.

The equipment is being studied in the light of similar naval equipment which Georgia Tech has analyzed previously, with the general goal of delineating areas of similarity and differences, and relating differences to such factors as the differences in vehicular mounting, differences in operating environment, and so on. Particular attention has been given to the method of tracking utilized. A reference obtained from Mr. Gural has been studied, along with data concerning other tracking systems that may use similar techniques. Efforts will continue during the next reporting period, with the aim of developing an overall understanding of system design. Budget figures for January, the latest available, show a total expenditure to date of \$2579.81, leaving a free balance of \$22,277.19.

Very truly yours,

R. M. Goodman, Jr.
Project Director, A-1770

RMG/mac



ENGINEERING EXPERIMENT STATION

GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

4 May 1976

Foreign Technology Division
Attention: FTD/ETTE (Mr. Mike W. Gural)
Wright-Patterson AFB, OH 45433

Subject: Contract F33657-76-C-0099

Reference: Bimonthly Status Letter No 4, covering the period
20 February to 19 April 1976

Gentlemen:

This letter summarizes efforts under the subject contract for the period 20 February to 19 April 1976. Late in February and early in March, there were received from the sponsor several documents relating to the specific system Georgia Tech is tasked to study, and to other related systems. With this information in hand, it was possible to considerably amplify the technical analysis effort. Work has continued to develop maximum understanding of the system. In a phone call to Georgia Tech project personnel during this period, Mr. Gural of FTD instructed us to assume that no further tasks will be assigned on this contract, and that therefore the remaining funds should be applied to the existing task.

At Mr. Gural's request, several members of the Georgia Tech project staff visited FTD on 31 March 1976 to make an informal presentation before interested members of the FTD technical staff of preliminary technical results of the analysis. The ensuing discussions were very helpful in bringing out the specific technical interests and needs of the FTD staff. Since that time, efforts have been continued to develop the desired technical analyses, and to prepare material for a final task report.

Late in this reporting period, a request was received from FTD/SPIA for personnel security forms on five members of the Georgia Tech project staff. These will be supplied as quickly as possible.

4 May 1976

Budget figures for March, the latest available, show a total expenditure to date of \$13,939.44, leaving a free balance of \$10,917.56.

Very truly yours,

Berry O. Myron
Associate Project Director, A-1770

RMG/ae

Approved:

R. M. Goodman, Jr.
Director, Systems and Techniques Laboratory



ENGINEERING EXPERIMENT STATION
GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

9 July 1976

Foreign Technology Division
Attention: FTD/ETTE (Mr. Mike W. Gural)
Wright-Patterson AFB, Ohio 45433

Subject: Contract F33657-760C-0099

Reference: Bimonthly Status Letter No. 5, covering the period
20 April to 19 June 1976

Gentlemen:

This letter summarizes efforts under the subject contract for the period 20 April to 19 June 1976. Efforts during this period have been concentrated on completing the analysis and preparing the Technical Task Report on the assigned task. At the end of this period, the analysis was completed, and the Task Report very largely through final typing. It is expected that a draft copy will be dispatched for approval in a few days.

The recent activities have exhausted the project funds.

Very truly yours.

Berry O. Pyron
Associate Project Director, A-1770

mac



ENGINEERING EXPERIMENT STATION

GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

20 August 1976

Foreign Technology Division
Attention: FTD/ETTE (Mr. Mike W. Gural)
Wright-Patterson AFB, Ohio 45433

Subject: Contract F33657-76-C-0099

Reference: Bimonthly Status Letter No. 6, covering the period
20 June to 19 August 1976

Gentlemen:

This letter summarizes efforts under the subject contract for the period 20 June to 19 August 1976. A draft of the technical task report on the technical efforts performed under the contract was completed and dispatched to Mr. Gural on 28 June 1976. Captain Sharp called on 4 August with questions regarding three points of terminology, which were settled to his satisfaction. In a phone conversation on 9 August, Mr. Gural gave permission to print up copies of the report. This will be done in a few days, after minor typos and other points have been corrected. We will ship 7 copies to Mr. Gural, two more than due under the contract, in order that he can supply copies to Mr. Dave Powell of MIA and Mr. Jim Pruitt of FTD/Eglin AFB.

Dispatch of the Technical Task Report will terminate efforts under this contract.

Funds on this contract have now been exhausted.

Very truly yours.

Berry O. Pyron
Associate Project Director, A-1770

BOP/hg

LIBRARY DOES NOT HAVE:

FINAL REPORT (CLASSIFIED)